

Weekly Report

06/15/2015 - 06/22/2015

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1 Summary

This week I mainly focus on the DataScanner1 project (the second phase of data inspection).

2 Projects

2.1 Project 1 - DataScanner1

As being discussed in the last weekly report, the job for this week is to complete the relation data modules and the corresponding visualization. Now both the data views and the relation views are persisted at the browser end.

For the relation visualization part, the last week idea was to visualize only the highly-related local regions. But after visualization I realized that some relation views have no highly-related local regions at all, which would probably mislead users' interpretation of the relation. However, SVG-figure with too many elements are difficult for browser to digest. Thus I made the relation views canvas-svg mixes (pure canvas makes legends blurred and looks so different), where only the lines on the parallel coordinates are canvas-based figures.

With the change of visualization method, there are still a few interactions to be fixed before it can really perform user explorations. Besides, referring to Data Voyager richer user interactions need to be implemented.

2.2 Project 2 - NBA Game Visualization

I discussed with Lao for a little redesign of the NBA game visualization. The basics is the time-variant statistical data (score, rebounds, assists, etc.) displayed in the center surrounded by players. Expecting initial result.

2.3 Project 3 - FlowTracker

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3 Paper Reading and Miscellaneous

- Survey of Data Voyager. - ChinaVis paper review.

4 To Do List

1. Improve both visualization and interactions of Data Scanner1.